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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 16, 2003, 17:06:17, Search time: 14.4266 seconds
(without alignments)
114.746 Million cell updates/sec

Title: US-09-856-070-26
Perfect score: 28
Sequence: 1 QVDFE 5

Scoring table: RLSDM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Bgapop 6.0, Bgapext 7.0
Lgapop 6.0, Lgapext 7.0

Searched: 394868 seqs, 222934149 residues

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0
Maximum DB seq length: 20000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

-MODEL-frame_p2n.model -DEV-xip
-Q/cqn2_1/isppe-spec/isp09856070/runat_14012003_155845_1681/app_query fasta_1.1592
-DB-publishedApplications_NA -GEMT-fastap -SURFIX-rnpb -MINMATCH=0.1
-LOOPEL=0 -LCQPEL=0 -UNLIS-bits -SIAXI=1 -ENO=1 -MAKIX-DOSMB2
-TRANS-human40 cod -TISI=45 -DECAICN=200 -THR-SCORE-pct-THR-MAX=100
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -CONTENT-ptc -NPM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=20000000 -USER=isp09856070 -ARGN_1_1_RV=runat_14012003_155845_1681
-NCPG=6 -ICPG=3 -NO_XLPEX -NO_MMAP -LARGEQUERY -NEW_SCORES=0 -WAIT -LUN=0
-DRV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREDS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database: PublishedApplications_NA:

- 1: /cqn2_6/ptodata/2/pubpna/us07_PUBCOMB.seq:
- 2: /cqn2_5/ptodata/2/pubpna/PAT_NEW_PUB.seq:
- 3: /cqn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
- 4: /cqn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
- 5: /cqn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:
- 6: /cqn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:
- 7: /cqn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:
- 8: /cqn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:
- 9: /cqn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:
- 10: /cqn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:
- 11: /cqn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:
- 12: /cqn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:
- 13: /cqn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
- 14: /cqn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:

pred. No. is the number of results predicted by program to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
C 1	28	100.0	69	10	US-09-856-070-26-34 Sequence 2234, A
C 2	28	100.0	133	10	US-09-856-070-26-34 Sequence 2245, A
C 3	28	100.0	160	10	US-09-856-070-26-34 Sequence 2256, A
C 4	28	100.0	162	9	US-09-796-692-5932 Sequence 5932, Ap

Sequence 1174, Ap
Sequence 1174, Ap
Sequence 1174, Ap
Sequence 781, Appl
Sequence 332, Ap
Sequence 5460, Ap
Sequence 562, Appl
Sequence 16193, A
Sequence 15375, A
Sequence 42, Appl
Sequence 79, Appl
Sequence 64, Appl
Sequence 539, Appl
Sequence 539, Appl
Sequence 539, Appl
Sequence 5, Appl
Sequence 36, Appl
Sequence 37, Appl
Sequence 38, Appl
Sequence 39, Appl
Sequence 6, Appl
Sequence 28, Appl
Sequence 29, Appl
Sequence 30, Appl
Sequence 31, Appl
Sequence 156, Appl
Sequence 3718, Ap
Sequence 329, Appl
Sequence 13, Appl
Sequence 123, Appl
Sequence 2941, Ap
Sequence 10, Appl
Sequence 11, Appl
Sequence 12, Appl
Sequence 13, Appl
Sequence 8, Appl
Sequence 9, Appl
Sequence 14, Appl
Sequence 15, Appl
Sequence 2, Appl

ALIGNMENTS

RESULT 1 100.0 701 2224, C
US-09-856-070-26-34, Appl 100.0 701 2224, C
Patent No. US-09-856-070-26-34
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
AFFILIANT: Rank, David R.
APPLICANT: Hazzel, David K.
APPLICANT: Hazzel, David K.
APPLICANT: Hazzel, David K.
TITLE OF INVENTION: HUMAN GENOME DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: A-001534-X-1
CURRENT APPLICATION NUMBER: US-09/864,761
CURRENT FILING DATE: 2001-05-24
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,459
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30

100

; CURRENT FILING DATE: 2001-01-29
 ; PRIOR APPLICATION NUMBER: 60/178,811
 ; PRIOR FILING DATE: 2000-01-28
 ; NUMBER OF SEQ ID NOS: 122
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 90
 ; LENGTH: 160
 ; TYPE: DNA
 ; ORGANISM: soybean

; NAME/KEY: misc.feature
 ; LOCATION: (1)-(160)
 ; OTHER INFORMATION: n is an undetermined nucleotide (GATP, dCTP, dCTP, or dTTP)
 US-09-772-1348-90

Alignment Scores:
 Pred. No.: 23.6 Length: 160
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-856-070-26 (1-5) x US-09-772-1348-90 (1-160)

QY 1 GlnAspTyrGluGlu 5
 |||||

DB 123 CAGGATTAAGACAA 134

RESULT 4

US-09-796-692-5932
 ; Sequence 5932, Application US/09796692
 ; Publication No. US2002014946A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Galger, Alexander
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: Mannion, Jane
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE PREVENTION, DIAGNOSIS AND THERAPY
 ; FILE REFERENCE: 2077,001,200
 ; CURRENT FILING DATE: 2001-03-01
 ; PRIOR APPLICATION NUMBER: US/09/796,692
 ; PRIOR FILING DATE: 2000-03-01
 ; PRIOR APPLICATION NUMBER: 60/186,126
 ; PRIOR FILING DATE: 2000-03-01
 ; PRIOR APPLICATION NUMBER: 60/190,479
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/200,545
 ; PRIOR FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: 60/200,303
 ; PRIOR FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: 60/200,779
 ; PRIOR FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: 60/200,999
 ; PRIOR FILING DATE: 2000-05-01
 ; PRIOR APPLICATION NUMBER: 60/202,084
 ; PRIOR FILING DATE: 2000-05-04
 ; PRIOR APPLICATION NUMBER: 60/206,201
 ; PRIOR FILING DATE: 2000-05-22
 ; PRIOR APPLICATION NUMBER: 60/218,950
 ; PRIOR FILING DATE: 2000-07-14
 ; PRIOR APPLICATION NUMBER: 60/222,903
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: 60/223,416
 ; PRIOR FILING DATE: 2000-08-04
 ; PRIOR APPLICATION NUMBER: 60/223,378
 ; PRIOR FILING DATE: 2000-08-07
 ; NUMBER OF SEQ ID NOS: 9597
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 5932
 ; LENGTH: 162
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:

; NAME/KEY: unsure
 ; LOCATION: (195)
 ; OTHER INFORMATION: n-A,T,C or G
 ; NAME/KEY: unsure
 ; LOCATION: (117)
 ; OTHER INFORMATION: n-A,T,C or G
 ; NAME/KEY: unsure
 ; LOCATION: (140)
 ; OTHER INFORMATION: n-A,T,C or G
 US-09-796-692-5932

Alignment Scores:
 Pred. No.: 23.9 Length: 162
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-856-070-26 (1-5) x US-09-796-692-5932 (1-162)

QY 1 GlnAspTyrGluGlu 5
 |||||

DB 120 CAGGATTAAGACAA 134

RESULT 5

US-09-946-807-1174/c
 ; Sequence 1174, Application US/09/946807
 ; Patent No. US20020165144A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Stefansson, Hreinn
 ; APPLICANT: Steinthorsdottir, Valgerdur
 ; APPLICANT: Gulcher, Jeffrey R.
 ; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
 ; FILE REFERENCE: 2345,2004-001
 ; CURRENT APPLICATION NUMBER: US/09/946,807
 ; CURRENT FILING DATE: 2001-09-05
 ; PRIOR APPLICATION NUMBER: US/09/796,668
 ; PRIOR FILING DATE: 2001-02-28
 ; PRIOR APPLICATION NUMBER: US/09/515,716
 ; PRIOR FILING DATE: 2000-03-28
 ; NUMBER OF SEQ ID NOS: 1531
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1174
 ; LENGTH: 401
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-946-807-1174

Alignment Scores:
 Pred. No.: 61.5 Length: 401
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-856-070-26 (1-5) x US-09-946-807-1174 (1-401)

QY 1 GlnAspTyrGluGlu 5
 |||||

DB 379 CAGGATTAAGACAA 365

RESULT 6

US-09-795-668-1174/c
 ; Sequence 1174, Application US/09795668
 ; Patent No. US20020345577A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Stefansson, Hreinn
 ; APPLICANT: Steinthorsdottir, Valgerdur
 ; APPLICANT: Gulcher, Jeffrey R.
 ; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
 ; FILE REFERENCE: 2345,2004-001

; FILE REFERENCE: 210121.497

RESULT 10

US-09-864-761-5460/c
 : Sequence 5460, Application 35/03864761
 : Patent No. US20020048763A1
 : GENERAL INFORMATION:
 : APPLICANT: Penn, Sharon G.
 : APPLICANT: Rank, David R.
 : APPLICANT: Hanzel, David A.
 : APPLICANT: Chen, Wensheng
 : TITLE OF INVENTION: HUMAN FETOME-DEIVED SINGLE EXON NUCLEOTIC ACID PROBES USEFUL FOR
 : FILE REFERENCE: Acomia-X-1
 : CURRENT APPLICATION NUMBER: US09/064,761
 : CURRENT FILING DATE: 2001-05-23
 : PRIOR APPLICATION NUMBER: US 60/180,312
 : PRIOR FILING DATE: 2000-02-04
 : PRIOR APPLICATION NUMBER: US 60/207,456
 : PRIOR FILING DATE: 2000-05-26
 : PRIOR APPLICATION NUMBER: US 09/632,366
 : PRIOR FILING DATE: 2000-08-03
 : PRIOR APPLICATION NUMBER: GH 24263.6
 : PRIOR FILING DATE: 2000-10-04
 : PRIOR APPLICATION NUMBER: US 60/236,359
 : PRIOR FILING DATE: 2000-09-27
 : PRIOR APPLICATION NUMBER: PCT/US01/00664
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00667
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00664
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00669
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00665
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00668
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00663
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00662
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00661
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: PCT/US01/00670
 : PRIOR FILING DATE: 2001-01-30
 : PRIOR APPLICATION NUMBER: US 60/234,687
 : PRIOR FILING DATE: 2000-04-21
 : PRIOR APPLICATION NUMBER: US 09/608,408
 : PRIOR FILING DATE: 2000-06-30
 : PRIOR APPLICATION NUMBER: US 09/774,203
 : PRIOR FILING DATE: 2001-01-29
 : NUMBER OF SEQ ID NOS: 49117
 : SOFTWARE: Attribex Sequence Listing Engine vers. 1.1
 : SEQ ID NO 5460
 : LENGTH: 470
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : OTHER INFORMATION: MAP TO ACC05737.1
 : OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 1.3
 : OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.4
 : OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 1.3
 : OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 0.99
 : OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 3.2
 : OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.2
 : OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 15
 : US-09-864-761-5460

Alignment Scores:
 Prod. No.: 72.5 Length: 470
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-856-070-26 (1-5) x US-09-854-761-5460 (1-470)
 C7 1 GlnAspTyrGluGlu 5
 DB 344 CAAGATTAAGACAG 330
 RESULT 11
 US-09-856-070-662/c
 : Sequence 662, Application us/09025299
 : Patent No. US20020055627A1
 : GENERAL INFORMATION:
 : APPLICANT: Rosen et al.
 : TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 : FILE REFERENCE: P102
 : CURRENT APPLICATION NUMBER: US/09/025,299
 : CURRENT FILING DATE: 2001-08-10
 : PRIOR APPLICATION NUMBER: PCT/US00/05883
 : PRIOR FILING DATE: 2000-03-08
 : PRIOR APPLICATION NUMBER: 60/124,270
 : PRIOR FILING DATE: 1999-03-12
 : NUMBER OF SEQ ID NOS: 1556
 : SOFTWARE: PatentIn Ver. 2.0
 : SEQ ID NO 662
 : LENGTH: 506
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : NAME/KEY: misc_feature
 : LOCATION: (51)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (69)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (183)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (191)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (345)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (363)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (383)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (432)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (445)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (466)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (481)
 : OTHER INFORMATION: n equals a,t,g, or c
 : NAME/KEY: misc_feature
 : LOCATION: (487)
 : OTHER INFORMATION: n equals a,t,g, or c
 : US-09-925-279-662

Alignment Scores:
 Prod. No.: 78.3 Length: 506
 Score: 28.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

Pred. No.: 86.1 Length: 554
Score: 28.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-26 (1-5) x US-09 864-761 15375 (1-554)

QY 1 GlnAspTyrGluCln 5
|||||

Db 18 CAGAGCTATGAGGAG 32

RESULT 14

US-09-772-134B-42
: Sequence 42, Application US/09772134B
: Patent No. US20020144310A1
: GENERAL INFORMATION:
: APPLICANT: Southern Illinois university
: APPLICANT: Lightfoot, David
: TITLE OF INVENTION: ISOLATED POLYPEPTIDES AND POLYPEPTIDES RELATING TO LOCI UNDER
: TITLE OF INVENTION: RESISTANCE TO SOYBEAN CYST NEMATODE AND SOYBEAN SUDDEN DEATH SYN
: TITLE OF INVENTION: METHODS EMPLOYING SAME
: FILE REFERENCE: 1268/4/2
: CURRENT APPLICATION NUMBER: US/09/772.134B
: PRIOR FILING DATE: 2001-01-29
: PRIOR APPLICATION NUMBER: 60/178,811
: PRIOR FILING DATE: 2000-01-28
: NUMBER OF SEQ ID NOS: 122
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 42
: LENGTH: 605
: TYPE: DNA
: ORGANISM: soybean
: FEATURE:
: NAME/KEY: misc.feature
: LOCATION: (1)..(605)
: OTHER INFORMATION: n is an undetermined nucleotide (dATP, dCTP, dGTP, or dTTP)
US-09-772-134B-42

Alignment Scores:
Pred. No.: 94.3 Length: 605
Score: 28.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-26 (1-5) x US-09-772-134B 42 (1 605)

QY 1 GlnAspTyrGluCln 5
|||||

Db 423 CAGAGCTATGAGGAG 437

RESULT 15

US-09-772-134B-79
: Sequence 79, Application US/09772134B
: Patent No. US20020144310A1
: GENERAL INFORMATION:
: APPLICANT: Southern Illinois University
: APPLICANT: Lightfoot, David
: TITLE OF INVENTION: ISOLATED POLYPEPTIDES AND POLYPEPTIDES RELATING TO LOCI UNDER
: TITLE OF INVENTION: RESISTANCE TO SOYBEAN CYST NEMATODE AND SOYBEAN SUDDEN DEATH SYN
: TITLE OF INVENTION: METHODS EMPLOYING SAME
: FILE REFERENCE: 1268/4/2
: CURRENT APPLICATION NUMBER: US/09/772.134B
: PRIOR FILING DATE: 2001-01-29
: PRIOR APPLICATION NUMBER: 60/178,811
: PRIOR FILING DATE: 2000-01-28
: NUMBER OF SEQ ID NOS: 122
: SOFTWARE: PatentIn version 3.0

: SEQ ID NO 79
: LENGTH: 605
: TYPE: DNA
: ORGANISM: soybean
: FEATURE:
: NAME/KEY: misc.feature
: LOCATION: (1)..(605)
: OTHER INFORMATION: n is an undetermined nucleotide (dATP, dCTP, dGTP, or dTTP)
US-09-772-134B-79

Alignment Scores:
Pred. No.: 94.3 Length: 605
Score: 28.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-26 (1-5) x US-09-772-134B-79 (1-605)

QY 1 GlnAspTyrGluCln 5
|||||

Db 423 CAGAGCTATGAGGAG 437

Search completed: January 16, 2003, 21:46:16
Job time : 20.4286 secs

